

ORCA Industrial GPS Asset Tracker

LoRaWAN® connected GPS Tracker for Industrial Asset Management

TEKTELIC ORCA is an ideal solution for geolocating your assets in the field. This device provides GPS enabled near real-time satellite location tracking with LoRaWAN®.

- Shipping containers
- Pallets
- Railcars
- Industrial Transport
- Fleet Vehicles
- Industrial Equipment
- Preventative Maintenance
- Security & Theft Mitigation



Technical and Functional System Specifications

General System Parameters

Operational Temperature	-40°C to +70°C
Protection Rating	IP67
Size	195 x 101 x 50 mm
Battery	2 D-Cell Batteries

LoRa Parameters

RF Power	22 dBm
RF Sensitivity	-137dBm (SF12, 125kHz)
ISM Band	All Global ISM Bands
Antenna	Internal
LoRa Device Class	Class A

Regulatory Compliance

Safety	IEC 60950-1 (CE)
Regulatory	ETSI EN 300 220
	ETSI EN 301-489-1/-3
	FCC 15.247 FCC 15.209
	RSS-247 RSS-GEN

Key Features

- » 5 year Battery Life*
- » Precise GPS
- » Data Transmission via LoRaWAN®
- » BLE (Optional)
- » All Global ISM bands
- » Rugged IP67 Design
- » Accelerometer
- » Internal Antenna

*With the following operating conditions: 73 uplinks per day consisting of 1 battery report, 24 periodic GNSS location reports, 24 accelerometer event-based GNSS location reports, plus 24 periodic BLE scan reports.

